

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 1    | (348/229.1.ccls.) and (electron\$ near2 charge near2 accumulat\$4 near2 time)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 08:36 |
| L2    | 69   | (348/229.1.ccls.) and (charge same accumulat\$4 same time)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 08:44 |
| L3    | 12   | (348/229.1.ccls.) and (charge same accumulat\$4 same time) and (low same pass same filter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 08:38 |
| L4    | 4    | (348/229.1.ccls.) and (charge same accumulat\$4 same time) and (focal near4 length)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 08:44 |
| L5    | 4    | (348/229.1.ccls.) and (charge same accumulat\$4 same time) and (focal same length)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 08:54 |
| L6    | 3    | (pixel near5 pitch) and (charge same accumulat\$4 same time) and (focal same length) and (low near5 pass near5 filter) and (circle same confusion) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 12:13 |
| L7    | 3    | (pixel same pitch) and (charge same accumulat\$4 same time) and (focal same length) and (low same pass same filter) and (circle same confusion)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 08:59 |
| L8    | 27   | (pixel same pitch) and (charge same accumulat\$4 same time) and (focal same length) and (low same pass same filter)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/01/12 10:04 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| L9  | 310 | (348/296.ccls.)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:05 |
| L10 | 142 | (348/296.ccls.) and (charge same<br>accumulat\$ same time)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:13 |
| L11 | 131 | (348/296.ccls.) and (charge same<br>accumulat\$ same time) and<br>(@ad<="20020823")                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 13:22 |
| L12 | 92  | (348/297.ccls.) and (charge same<br>accumulat\$ same time) and<br>(@ad<="20020823")                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:40 |
| L13 | 9   | (348/297.ccls.) and (charge same<br>accumulat\$ same time) and<br>(@ad<="20020823") and (pixel<br>same pitch) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:42 |
| L14 | 1   | (348/360.ccls.) and (charge same<br>accumulat\$ same time) and<br>(@ad<="20020823") and (pixel<br>same pitch) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:42 |
| L15 | 8   | (348/362.ccls.) and (charge same<br>accumulat\$ same time) and<br>(@ad<="20020823") and (pixel<br>same pitch) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:45 |
| L16 | 2   | (348/363.ccls.) and (charge same<br>accumulat\$ same time) and<br>(@ad<="20020823") and (pixel<br>same pitch) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:46 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| L17 | 1  | (348/230.1.ccls.) and (charge same accumulat\$ same time) and (@ad<="20020823") and (pixel same pitch) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 10:46 |
| L18 | 3  | (348/222.1.ccls.) and (charge same accumulat\$ same time) and (@ad<="20020823") and (pixel same pitch) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 11:10 |
| L19 | 7  | "5170205"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 11:10 |
| L20 | 5  | ("5170205").URPN.  | USPAT   | OR | ON | 2007/01/12 11:11 |
| L21 | 5  | ("5170205").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 11:11 |
| L22 | 2  | "20040036781"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:10 |
| L23 | 12 | "4978981"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:10 |
| L24 | 4  | "5978610"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:11 |
| L25 | 10 | "6603508"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:12 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| L26 | 22  | "5610654"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:12 |
| L27 | 0   | ("396".clas.) and (pixel near5 pitch) and (charge same accumulat\$4 same time) and (focal same length) and (low near5 pass near5 filter) and (circle same confusion) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:13 |
| L28 | 0   | ("396".clas.) and (pixel same pitch) and (charge same accumulat\$4 same time) and (focal same length) and (low same pass same filter) and (circle same confusion)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:13 |
| L29 | 7   | ("396".clas.) and (pixel same pitch) and (charge same accumulat\$4 same time) and (focal same length) and (low same pass same filter)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:30 |
| L30 | 27  | (pixel same pitch) and (charge same accumulat\$4 same time) and (focal same length) and (low same pass same filter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 13:15 |
| L31 | 140 | Enomoto-Shigeo.IN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 13:23 |
| L32 | 1   | (bending same point same pixel same pitch same horizontal).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 13:26 |
| S1  | 5   | "6421087"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/12 12:08 |